

California State Board of Equalization
450 N Street, Sacramento, California

Monthly Air Monitoring Report – Revised
February 2012

Project No. 2372.02-572



Prepared for:
California Department of General Services
707 Third Street, 3-305
Sacramento, California 95605

Prepared by:
Chris Corpuz, MS, CIH
Senior Manager
LaCroix Davis LLC

Report Date:
May 22, 2012

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1.0 Introduction

On July 2, 2008, LaCroix Davis LLC (LCD) was contracted by the State of California, Department of General Services (DGS), Real Estate Services, Project Management Branch (RES, PMB) to provide building and environmental forensic services at the Board of Equalization (BOE) building located at 450 N Street, Sacramento, California. The BOE building was substantially completed in December 1992 and has experienced a variety of water-related events throughout its history.

On September 30, 2011, LCD's original contract was amended by Contract Amendment 3126150 Am. 7 to include the following Monthly Air Monitoring activity:

“Contractor shall provide monthly (once per month) air monitoring of the building during that portion of the day in which the building HVAC system is fully-operational. Eleven (11) floors will be monitored per month starting with the even-numbered floors on the first month that monthly air monitoring starts, and then switching to the odd-numbered floors on the following month. Switching between even and odd-numbered floors will continue during successive months; resulting in a total of 12 sampling events throughout a 12-month period: six (6) sampling events on even-numbered floors and six (6) sampling events on odd-numbered floors.”

The DGS and BOE industrial hygienists (IH) agreed on the following approach for the monthly air monitoring for each team:

- Collection of three (3) samples per tenant floor (33 total) and three (3) outdoor samples;
- Sample analysis by Polymerase Chain Reaction (PCR) for custom *Cladosporium* panel and PCR-23 important indoor molds using laboratory standard turn-around times unless directed to do otherwise by DGS.

The IHs proposed a re-occurring air sampling date and submitted it to BOE for approval; BOE has approved the last Friday of every month for the monthly air monitoring. BOE notified the Building Security that the IHs will require escorts onto secure floors in order to install sampling pumps.

The LCD field project team is staffed by personnel from various LCD offices under the project management of Mr. Chris Corpuz, Senior Manager.

2.0 Air Monitoring

On behalf of DGS, the LCD team performed air monitoring in accordance with the Monthly Air Monitoring Schedule and Revised Protocol (Attachment A) on February 24, 2012. During that time, the building HVAC system operated from 5:00 AM to 6:00 PM. Therefore, the sampling window was from 4:00 AM to 7:00 PM for sample set-up and three rounds of sampling on each floor. (The actual sampling window will be changed as seasonal adjustments are made to the HVAC system operating window.)

LCD collected three (3) air samples on each of the eleven (11) odd-numbered floors designated for the February monitoring. Each air sample was drawn over approximately 3 hours. A target sample rate of seven (7) liters per minute (LPM) was used.

LCD also collected a total of three (3) exterior/outdoor samples; one (1) sample was taken per sampling period. In addition, one (1) field blank was submitted for analysis.

A total of 33 interior samples, three (3) exterior samples, and one (1) field blank were submitted under chain of custody to the laboratory and analyzed for PCR – Cladosporium (custom panel). The exterior samples, the field blank, and one (1) sample per floor were also analyzed for PCR-23 Important Indoor Molds. The analytical results are summarized in Table 1. The lab reports are included in Appendix B, Lab Reports.

The Mechanical Floor, the Penthouse Floor, and the core sampling ports on Floors 2 and 21 are not part of the monthly monitoring schedule. At the direction of the DGS management team, samples from these areas may be added to the regular schedule. However, no indoor air samples were added or collected from either one of these locations during this monthly monitoring event in February 2012.

To demonstrate any seasonal changes within the HVAC duct interiors, surface microvac samples – not part of the regular sampling project schedule – may be added to the regular schedule. However, no microvac samples were collected during the monthly monitoring event in February 2012.

3.0 Findings

In general, the indoor air samples indicated spore equivalents per cubic meter (SE/m³) at or below background concentrations detected in outdoor samples. At one location on Floor 15 (NW), the sample indicated the presence of three (3) SE/m³ of *Scopulariopsis brevicaulis*, whereas this species was detected at a lower count of one (1) SE/m³ in one background sample from the Floor 23 deck. The species was not detected in any other sample.

Such low SE/m³ values can be an indication of mold debris and do not necessarily indicate the presence of mold spores. Based on historical monitoring of these areas, the detection appears to be an isolated event and unremarkable, but will be checked against future samples collected in these areas.

The initial result of 260 SE/m³ of *Cladosporium sphaerospermum* in a sample from Floor 5 (southeast hall) could not be confirmed by two laboratory reruns of this sample (see attached lab report for rerun sample P16). Both results for the re-analyzed sample were at one (1) SE/m³, the same as the background sample from the groundfloor exterior.

Based on the revised February 2012 monitoring results, molds historically detected in the HVAC ducts do not appear to have impacted the air quality of the office spaces.

4.0 Limitations and Qualifications

The assessment performed by LCD does not include or cover the following matters: Matters that are subsequently discovered that could not have been reasonably foreseen or detected, using industry standards, during the performance of the assessment; matters that could not have been discovered by LCD because of barriers, lack of access or other matters affecting accessibility; matters that were not disclosed to LCD prior to, during, or after the performance of the assessment; any new deficiency that arose after the completion of the assessment by LCD.

To the extent that additional information becomes available to LCD, LCD reserves the right (without any obligation to do so) to modify its evaluation and/or this report at any time, based upon further review and analysis of any such additional information or data.

Certain items mentioned in the report were performed by others not involving the supervision of, or management by, LCD, but were relied upon by LCD in making its evaluation and assessment.

The assessment performed by LCD is not meant or intended to supplement, modify, or extinguish any warranty or representation made or given by third parties performing any of the recommended corrective work.

When consultation involves microbiological growth, or any assessment thereof, such microbiological growth may reoccur if the source of the growth is not remedied. All remediation of fungi in indoor environments can be inherently limited in the sense that conclusions are drawn and recommendations developed from information obtained from limited research and site evaluation. Except as may be noted in the assessment performed by LCD, subsurface areas, latent defects, or non-accessible areas and conditions were not field investigated and may differ from the conditions implied by the surface observations. Additionally, the passage of time may result in a change in the environmental characteristics at the subject property and the surrounding properties. No investigation or assessment can absolutely rule out the existence of any microbiological growth at any given site. LCD does not remediate or remedy sources of microbiological growth.

This Report and the assessment/survey conducted by LCD is prepared, and was performed, solely for the use and benefit of the client identified at the beginning of this report. No other party may rely on this report for any other purpose.

Report prepared by,



Chris Corpuz, MS, CIH
Senior Manager
LaCroix Davis LLC

Report reviewed by,



Stephen C. Davis, MPH, CIH
Principal
LaCroix Davis LLC

TABLES

Table 1 - February 2012 Air Monitoring Results - Revised
Board of Equalization Building, Sacramento

| Location | Sample Number | PCR - Custom Panel Cladosporium | | | | | | PCR - 23 Important Indoor Molds (Only species detected indoors this month are listed.) | | | | | | | | | | | | | | | |
|----------------------------|-----------------|---------------------------------|-------------------|-----------------------|-------------------|---------------------------------|-------------------|--|-------------------|-----------------------|-------------------|-------------------|-------------------|----------------------|-------------------|----------------------------|-------------------|------------------------|-------------------|------------------------|-------------------|----------------------------|-------------------|
| | | Cladosporium sphaerospermum | | Cladosporium herbarum | | Cladosporium cladosporioides II | | Cladosporium cladosporioides I | | Aspergillus fumigatus | | Aspergillus niger | | Eurotium amstelodami | | Penicillium brevicompactum | | Penicillium crysogenum | | Penicillium purpogenum | | Scopulariopsis brevicaulis | |
| | | SE | SE/m ³ | SE | SE/m ³ | SE | SE/m ³ | SE | SE/m ³ | SE | SE/m ³ | SE | SE/m ³ | SE | SE/m ³ | SE | SE/m ³ | SE | SE/m ³ | SE | SE/m ³ | SE | SE/m ³ |
| Floor 23, Exterior, Deck W | 2372-022412-P13 | ND | <1 | 190 | 150 | 14 | 11 | 3,200 | 2,500 | 10 | 8 | 14 | 11 | 140 | 110 | 33 | 27 | ND | <1 | ND | <1 | 1 | 1 |
| Floor 23, Rm. 2303, SE | 2372-022412-P12 | ND | <1 | 1 | 1 | 1 | 1 | 24 | 17 | | | | | | | | | | | | | | |
| Floor 23, Rm. 2317, NW | 2372-022412-P24 | ND | <1 | 1 | 1 | 1 | 1 | 48 | 38 | | | | | | | | | | | | | | |
| Floor 23, Elevator Lobby | 2372-022412-P36 | ND | <1 | 1 | 1 | 1 | 1 | 84 | 67 | ND | <1 | ND | <1 | 13 | 11 | ND | <2 | ND | <1 | ND | <1 | ND | <1 |
| Floor 21, Rm. 2117, E | 2372-022412-P11 | ND | <1 | 1 | 1 | ND | <1 | 80 | 66 | | | | | | | | | | | | | | |
| Floor 21, Rm. 2107, S | 2372-022412-P23 | 1 | 1 | 1 | 1 | 1 | 1 | 110 | 87 | ND | <1 | ND | <1 | ND | <1 | ND | <2 | ND | <1 | 1 | 1 | ND | <1 |
| Floor 21, Rm. 2111, SW | 2372-022412-P35 | ND | <1 | 3 | 2 | 1 | 1 | 52 | 41 | | | | | | | | | | | | | | |
| Floor 19, Rm. 1908, S | 2372-022412-P10 | 1 | 1 | 1 | 1 | ND | <1 | 15 | 13 | ND | <1 | ND | <1 | ND | <1 | ND | <3 | ND | <1 | ND | <2 | ND | <1 |
| Floor 19, Rm. 1918, N | 2372-022412-P22 | ND | <1 | 1 | 1 | 1 | 1 | 98 | 84 | | | | | | | | | | | | | | |
| Floor 19, Column M-23, W | 2372-022412-P34 | ND | <1 | 2 | 2 | 1 | 1 | 32 | 25 | | | | | | | | | | | | | | |
| Floor 17, Rm. 17B, SE | 2372-022412-P09 | ND | <1 | 4 | 3 | 1 | 1 | 43 | 37 | | | | | | | | | | | | | | |
| Floor 17, Column M-17, E | 2372-022412-P21 | ND | <1 | 4 | 3 | 1 | 1 | 200 | 160 | | | | | | | | | | | | | | |
| Floor 17, North Hall | 2372-022412-P33 | 1 | 1 | 3 | 2 | 1 | 1 | 68 | 54 | 1 | 1 | ND | <1 | ND | <1 | ND | <2 | ND | <1 | ND | <1 | ND | <1 |
| Floor 15, Rm. 15B, SE | 2372-022412-P08 | 1 | 1 | 2 | 2 | ND | <1 | 36 | 28 | | | | | | | | | | | | | | |
| Floor 15, Copier, NW | 2372-022412-P20 | ND | <1 | 6 | 4 | 1 | 1 | 85 | 65 | ND | <1 | ND | <1 | ND | <1 | 5 | 4 | 3 | 2 | ND | <1 | 4 | 3 |
| Floor 15, Rm. 1509, SE | 2372-022412-P32 | ND | <1 | 1 | 1 | 1 | 1 | 14 | 12 | | | | | | | | | | | | | | |
| Floor M, Exterior, OA, N | 2372-022412-P25 | ND | <1 | 140 | 110 | 14 | 11 | 6,100 | 4,900 | 130 | 100 | 8 | 7 | 240 | 190 | 68 | 54 | ND | <1 | ND | <1 | ND | <1 |
| Floor 11, Rm. 1102, SE | 2372-022412-P07 | ND | <1 | 1 | 1 | ND | <1 | 63 | 50 | ND | <1 | ND | <1 | ND | <1 | ND | <3 | ND | <1 | ND | <2 | ND | <1 |
| Floor 11, East Hall | 2372-022412-P19 | 1 | 1 | 3 | 2 | 1 | 1 | 160 | 120 | | | | | | | | | | | | | | |
| Floor 11, Rm. 1103, SE | 2372-022412-P31 | ND | <1 | 1 | 1 | ND | <1 | 30 | 27 | | | | | | | | | | | | | | |
| Floor 9, Rm. 905, NE | 2372-022412-P06 | ND | <1 | 1 | 1 | ND | <1 | 34 | 31 | | | | | | | | | | | | | | |
| Floor 9, Rm. 907, SW | 2372-022412-P18 | ND | <1 | 1 | 1 | 1 | 1 | 43 | 35 | | | | | | | | | | | | | | |
| Floor 9, Rm. 911, SW | 2372-022412-P30 | ND | <1 | 1 | 1 | 1 | 1 | 82 | 65 | 3 | 2 | ND | <1 | ND | <1 | ND | <2 | ND | <1 | ND | <1 | ND | <1 |
| Floor 7, Rm. 7B, S | 2372-022412-P05 | ND | <1 | 1 | 1 | ND | <1 | 7 | 5 | | | | | | | | | | | | | | |
| Floor 7, Rm. 708 | 2372-022412-P17 | 1 | 1 | 1 | 1 | 1 | 1 | 63 | 32 | 13 | 7 | 14 | 7 | 10 | 5 | ND | <1 | ND | <1 | ND | <1 | ND | <1 |
| Floor 7, Rm. 703, SW | 2372-022412-P29 | 1 | 1 | 1 | 1 | 1 | 1 | 63 | 46 | | | | | | | | | | | | | | |
| Floor 5, Rm. 504, NE | 2372-022412-P04 | ND | <1 | 1 | 1 | 1 | 1 | 19 | 16 | ND | <1 | ND | <1 | ND | <1 | ND | <2 | ND | <1 | ND | <1 | ND | <1 |
| Floor 5, SE Hall | 2372-022412-P16 | 1 | 1 | 11 | 8 | 1 | 1 | 61 | 47 | | | | | | | | | | | | | | |
| Floor 5, Northwest Hall | 2372-022412-P28 | ND | <1 | 3 | 2 | 1 | 1 | 78 | 64 | | | | | | | | | | | | | | |
| Floor 3, Rm. 327, S | 2372-022412-P03 | ND | <1 | 1 | 1 | ND | <1 | 10 | 8 | | | | | | | | | | | | | | |
| Floor 3, Rm. 317, N | 2372-022412-P15 | ND | <1 | 2 | 1 | 1 | 1 | 58 | 31 | | | | | | | | | | | | | | |
| Floor 3, East Hall | 2372-022412-P27 | 1 | 1 | 3 | 2 | 2 | 2 | 82 | 63 | ND | <1 | ND | <1 | ND | <1 | 12 | 9 | ND | <1 | ND | <1 | ND | <1 |
| Floor 1, Rm. 109, NW | 2372-022412-P02 | ND | <1 | 31 | 25 | 4 | 3 | 950 | 750 | | | | | | | | | | | | | | |
| Floor 1, Rm. 128, SE | 2372-022412-P14 | ND | <1 | 1 | 1 | ND | <1 | 120 | 93 | 1 | 1 | ND | <1 | ND | <1 | ND | <2 | ND | <1 | ND | <1 | ND | <1 |
| Floor 1, Rm. 117, NE | 2372-022412-P26 | 1 | 1 | 1 | 1 | 1 | 1 | 25 | 20 | | | | | | | | | | | | | | |
| Floor 1, Exterior NE | 2372-022412-P01 | 1 | 1 | 61 | 49 | 7 | 6 | 4,000 | 3,200 | 31 | 25 | 1 | 1 | 210 | 170 | 36 | 28 | 16 | 13 | 80,000 | 63,000 | ND | <1 |
| Field Blank | 2372-022412-P37 | ND | <1 | ND | <1 | ND | <1 | ND | <1 | ND | <1 | ND | <1 | ND | <1 | ND | <3 | ND | <1 | ND | <2 | ND | <1 |

PCR = Polymerase chain reaction SE = Spore equivalents ND = Not detected

 Outdoor sample

 Not analyzed

 Above outdoor level

CONFIDENTIAL

Appendix A
Monthly Air Monitoring Schedule and Protocol



Monthly Air Monitoring Schedule and Protocol

LCD No. 2372.02-572
DGS BOE Technical Support

Monthly Air Monitoring Schedule

| Floor | 2011 | 2012 | | | | | | | | | | | |
|-------------|----------|---------|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
| Actual Date | 12/30/11 | 1/27/12 | 2/24/12 | | | | | | | | | | |
| PH | | | | | | | | | | | | | |
| 24 | HTI | LCD | HTI | LCD | HTI | LCD | HTI | LCD | HTI | LCD | HTI | LCD | HTI |
| 23 | LCD | HTI | LCD | HTI | LCD | HTI | LCD | HTI | LCD | HTI | LCD | HTI | LCD |
| 22 | HTI | LCD | HTI | LCD | HTI | LCD | HTI | LCD | HTI | LCD | HTI | LCD | HTI |
| 21 | LCD | HTI | LCD | HTI | LCD | HTI | LCD | HTI | LCD | HTI | LCD | HTI | LCD |
| 20 | HTI | LCD | HTI | LCD | HTI | LCD | HTI | LCD | HTI | LCD | HTI | LCD | HTI |
| 19 | LCD | HTI | LCD | HTI | LCD | HTI | LCD | HTI | LCD | HTI | LCD | HTI | LCD |
| 18 | HTI | LCD | HTI | LCD | HTI | LCD | HTI | LCD | HTI | LCD | HTI | LCD | HTI |
| 17 | LCD | HTI | LCD | HTI | LCD | HTI | LCD | HTI | LCD | HTI | LCD | HTI | LCD |
| 16 | HTI | LCD | HTI | LCD | HTI | LCD | HTI | LCD | HTI | LCD | HTI | LCD | HTI |
| 15 | LCD | HTI | LCD | HTI | LCD | HTI | LCD | HTI | LCD | HTI | LCD | HTI | LCD |
| 14 | HTI | LCD | HTI | LCD | HTI | LCD | HTI | LCD | HTI | LCD | HTI | LCD | HTI |
| M | | | | | | | | | | | | | |
| 11 | LCD | HTI | LCD | HTI | LCD | HTI | LCD | HTI | LCD | HTI | LCD | HTI | LCD |
| 10 | HTI | LCD | HTI | LCD | HTI | LCD | HTI | LCD | HTI | LCD | HTI | LCD | HTI |
| 9 | LCD | HTI | LCD | HTI | LCD | HTI | LCD | HTI | LCD | HTI | LCD | HTI | LCD |
| 8 | HTI | LCD | HTI | LCD | HTI | LCD | HTI | LCD | HTI | LCD | HTI | LCD | HTI |
| 7 | LCD | HTI | LCD | HTI | LCD | HTI | LCD | HTI | LCD | HTI | LCD | HTI | LCD |
| 6 | HTI | LCD | HTI | LCD | HTI | LCD | HTI | LCD | HTI | LCD | HTI | LCD | HTI |
| 5 | LCD | HTI | LCD | HTI | LCD | HTI | LCD | HTI | LCD | HTI | LCD | HTI | LCD |
| 4 | HTI | LCD | HTI | LCD | HTI | LCD | HTI | LCD | HTI | LCD | HTI | LCD | HTI |
| 3 | LCD | HTI | LCD | HTI | LCD | HTI | LCD | HTI | LCD | HTI | LCD | HTI | LCD |
| 2 | HTI | LCD | HTI | LCD | HTI | LCD | HTI | LCD | HTI | LCD | HTI | LCD | HTI |
| 1 | LCD | HTI | LCD | HTI | LCD | HTI | LCD | HTI | LCD | HTI | LCD | HTI | LCD |



Monthly Air Monitoring Schedule and Protocol

LCD No. 2372.02-572
DGS BOE Technical Support

Revised Protocol for Monthly Air Monitoring

1. The IH sampling teams will select an air sampling date which will be submitted to BOE for approval. Currently BOE has approved the last Friday of every month for the monthly air monitoring. BOE should also notify Building Security that hygienists will require escorts onto secure floors in order to install sampling pumps.
2. Each IH team will be responsible for collecting a minimum of three (3) air samples on each of the eleven (11) floors. The building HVAC system operating window is currently 5:00 AM - 6:00 PM; therefore the proposed sampling window is from 4:00 AM - 7:00 PM; the actual sampling window will be adjusted as seasonal adjustments are made to the HVAC system operating window.
3. Each air sample will be drawn over approximately 2 to 3 hours using a digital countdown timer to initiate and terminate the sampling event; the first sampling event shall start 0500; the last (third) sampling event time ends by 1900. A target sample rate of 7 LPM; total sample volume of approximately 1200 liters; the above sampling time to be adjusted to meet the target volume.
4. Each IH team will collect one (1) exterior/outdoor sample per sampling period; for a total of three (3) exterior/outdoor samples per IH team per day.
5. Each sample will be collected, submitted under chain of custody, and analyzed for PCR-Cladosporium (Custom Panel) and one sample per floor analyzed for PCR-23, under standard turnaround time.
6. Air samples on Floor PH and M (which are not part of the regular sampling project schedule) may be added and collected at the direction of the DGS management team.
7. Air samples from Floors 2 and 21 core sampling ports (which are not part of the regular sampling project schedule) may be added and collected at the direction of the DGS management team. Type of samples TBD.
8. The combined IH teams will collect 66 interior + 6 exterior = 72 total air samples.
9. To demonstrate any seasonal changes within the HVAC duct interiors, surface microvac samples (which are not part of the regular sampling project schedule) may be added and collected at the direction of the DGS management team. Samples will be analyzed for *PCR-Cladosporium (Custom Panel)* and for *PCR-23*, under standard turnaround time.
10. Each month, within 7 working days of receiving the final laboratory analytical results, a written Summary Report (one electronic digital copy and four printed copies) shall be submitted to the DGS Project Manager.

Appendix B

Lab Reports



PCR - 23 important indoor molds

Prepared Exclusively For:

LaCroix Davis, LLC.
3685 Mt Diablo Blvd, Suite 210
Lafayette, CA 94549

Project Name: DGS-BOE

Project ID Number: 893060

March 10, 2012

This report has been prepared at the request of and for the exclusive use of the client named in this report. EMLabP&K will not release results or report to a third party without prior written consent.

Results:

| Sample ID | 2372.022412.P13 | | 2372.022412.P25 | |
|--|-----------------|-------|-----------------|-------|
| Air Volume [m ³] | 1.260 | | 1.260 | |
| Fungal ID | SE* | SE/m3 | SE* | SE/m3 |
| <i>Acremonium strictum</i> | ND | <1 | ND | <1 |
| <i>Alternaria alternata</i> | 15 | 12 | 11 | 9 |
| <i>Aspergillus flavus</i> ^a | 1 | 1 | 1 | 1 |
| <i>Aspergillus fumigatus</i> ^b | 10 | 8 | 130 | 100 |
| <i>Aspergillus niger</i> ^c | 14 | 11 | 8 | 7 |
| <i>Aspergillus ochraceus</i> ^d | 1 | 1 | ND | <1 |
| <i>Aspergillus sydowii</i> | ND | <7 | ND | <7 |
| <i>Aspergillus ustus</i> | ND | <1 | 2 | 2 |
| <i>Aspergillus versicolor</i> | ND | <1 | 8 | 6 |
| <i>Chaetomium globosum</i> | ND | <1 | ND | <1 |
| <i>Cladosporium cladosporioides</i> (Type 1) | 3200 | 2500 | 6100 | 4900 |
| <i>Eurotium</i> (Asp.) <i>amstelodami</i> ^e | 140 | 110 | 240 | 190 |
| <i>Memnoniella echinata</i> | ND | <1 | ND | <1 |
| <i>Paecilomyces variotii</i> | ND | <1 | ND | <1 |
| <i>Penicillium aurantiogriseum</i> ^f | 25 | 20 | 11 | 9 |
| <i>Penicillium brevicompactum</i> | 33 | 27 | 68 | 54 |
| <i>Penicillium chrysogenum</i> (Type 2) ^g | ND | <1 | ND | <1 |
| <i>Penicillium purpurogenum</i> | ND | <1 | ND | <1 |
| <i>Penicillium variabile</i> | 9 | 7 | ND | <4 |
| <i>Scopulariopsis brevicaulis</i> ^h | 1 | 1 | ND | <1 |
| <i>Stachybotrys chartarum</i> | ND | <1 | 1 | 1 |
| <i>Trichoderma viride</i> ⁱ | ND | <1 | 6 | 5 |
| <i>Ulocladium botrytis</i> | ND | <1 | ND | <1 |

* SE = Spore Equivalents, ND = Not Detected

^a Includes *A. flavus* and *A. oryzae*

^b Includes *A. fumigatus* and *Neosartorya fischeri*

^c Includes *A. niger*, *A. foetidus* and *A. phoenicis*

^d Includes *A. ochraceus* and *A. ostianus*

^e Includes *E. amstelodami*, *E. chevalieri*, *E. herbariorum*, *E. rubrum* and *E. repens*

^f Includes *Penicillium aurantiogriseum*, *P. freii*, *P. polonicum*, *P. tricolor*, *P. viridicatum*

^g Includes dominant subgroup of species

^h Includes *S. brevicaulis* and *S. fusca*

ⁱ Includes *T. viride*, *T. atroviride* and *T. koningii*

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PCR - Custom Panel

Prepared Exclusively For:

LaCroix Davis, LLC.
3685 Mt Diablo Blvd, Suite 210,
Lafayette, CA.

Project Name: DGS-BOE

Project ID Number: 893060

March 6, 2012

This report has been prepared at the request of and for the exclusive use of the client named in this report. EMLabP&K will not release results or report to a third party without prior written consent.

Results:

| Sample ID | 2372.022412.P01 | | 2372.022412.P04 | | 2372.022412.P07 | |
|--|-----------------|-------|-----------------|-------|-----------------|-------|
| Air Volume [m ³] | 1.260 | | 1.170 | | 1.260 | |
| Fungal ID | SE* | SE/m3 | SE* | SE/m3 | SE* | SE/m3 |
| <i>Acremonium strictum</i> | 1 | 1 | ND | <1 | ND | <1 |
| <i>Alternaria alternata</i> | 6 | 5 | ND | <1 | ND | <1 |
| <i>Aspergillus flavus</i> ^a | 4 | 3 | ND | <1 | ND | <1 |
| <i>Aspergillus fumigatus</i> ^b | 31 | 25 | ND | <1 | ND | <1 |
| <i>Aspergillus niger</i> ^c | 1 | 1 | ND | <1 | ND | <1 |
| <i>Aspergillus ochraceus</i> ^d | ND | <1 | ND | <1 | ND | <1 |
| <i>Aspergillus sydowii</i> | ND | <6 | ND | <8 | ND | <10 |
| <i>Aspergillus ustus</i> | 1 | 1 | ND | <1 | ND | <1 |
| <i>Aspergillus versicolor</i> | 3 | 3 | ND | <1 | ND | <1 |
| <i>Chaetomium globosum</i> | ND | <1 | ND | <1 | ND | <1 |
| <i>Cladosporium cladosporioides</i> (Type 1) | 4000 | 3200 | 19 | 16 | 63 | 50 |
| <i>Cladosporium cladosporioides</i> (Type 2) | 7 | 6 | 1 | 1 | ND | <1 |
| <i>Cladosporium herbarum</i> | 61 | 49 | 1 | 1 | 1 | 1 |
| <i>Cladosporium sphaerospermum</i> | 1 | 1 | ND | <1 | ND | <1 |
| <i>Eurotium</i> (Asp.) <i>amstelodami</i> ^e | 210 | 170 | ND | <1 | ND | <1 |
| <i>Memnoniella echinata</i> | ND | <1 | ND | <1 | ND | <1 |
| <i>Paecilomyces variotii</i> | ND | <1 | ND | <1 | ND | <1 |
| <i>Penicillium aurantiogriseum</i> ^f | 5 | 4 | ND | <2 | ND | <3 |
| <i>Penicillium brevicompactum</i> | 36 | 28 | ND | <2 | ND | <3 |
| <i>Penicillium chrysogenum</i> (Type 2) ^g | 16 | 13 | ND | <1 | ND | <1 |
| <i>Penicillium purpurogenum</i> | 80000 | 63000 | ND | <1 | ND | <2 |
| <i>Penicillium variable</i> | ND | <3 | ND | <4 | ND | <6 |
| <i>Scopulariopsis brevicaulis</i> ^h | ND | <1 | ND | <1 | ND | <1 |
| <i>Stachybotrys chartarum</i> | ND | <1 | ND | <1 | ND | <1 |
| <i>Trichoderma viride</i> ⁱ | ND | <1 | ND | <1 | ND | <1 |
| <i>Ulocladium botrytis</i> | 1 | 1 | ND | <1 | ND | <1 |

* SE = Spore Equivalents, ND = Not Detected

^a Includes *A. flavus* and *A. oryzae*

^b Includes *A. fumigatus* and *Neosartorya fischeri*

^c Includes *A. niger*, *A. foetidus* and *A. phoenicis*

^d Includes *A. ochraceus* and *A. ostianus*

^e Includes *E. amstelodami*, *E. chevalieri*, *E. herbariorum*, *E. rubrum* and *E. repens*

^f Includes *Penicillium aurantiogriseum*, *P. freii*, *P. polonicum*, *P. tricolor*, *P. viridicatum*

^g Includes dominant subgroup of species

^h Includes *S. brevicaulis* and *S. fusca*

ⁱ Includes *T. viride*, *T. atroviride* and *T. koningii*

Results:

| Sample ID | 2372.022412.P10 | | 2372.022412.P14 | | 2372.022412.P17 | |
|--|-----------------|-------|-----------------|-------|-----------------|-------|
| Air Volume [m ³] | 1.170 | | 1.260 | | 1.972 | |
| Fungal ID | SE* | SE/m3 | SE* | SE/m3 | SE* | SE/m3 |
| <i>Acremonium strictum</i> | ND | <1 | ND | <1 | ND | <1 |
| <i>Alternaria alternata</i> | ND | <1 | ND | <1 | ND | <1 |
| <i>Aspergillus flavus</i> ^a | ND | <1 | ND | <1 | ND | <1 |
| <i>Aspergillus fumigatus</i> ^b | ND | <1 | 1 | 1 | 13 | 7 |
| <i>Aspergillus niger</i> ^c | ND | <1 | ND | <1 | 14 | 7 |
| <i>Aspergillus ochraceus</i> ^d | ND | <1 | ND | <1 | ND | <1 |
| <i>Aspergillus sydowii</i> | ND | <10 | ND | <7 | ND | <5 |
| <i>Aspergillus ustus</i> | ND | <1 | ND | <1 | ND | <1 |
| <i>Aspergillus versicolor</i> | ND | <2 | ND | <1 | ND | <1 |
| <i>Chaetomium globosum</i> | ND | <1 | ND | <1 | ND | <1 |
| <i>Cladosporium cladosporioides</i> (Type 1) | 15 | 13 | 120 | 93 | 63 | 32 |
| <i>Cladosporium cladosporioides</i> (Type 2) | ND | <1 | ND | <1 | 1 | 1 |
| <i>Cladosporium herbarum</i> | 1 | 1 | 1 | 1 | 1 | 1 |
| <i>Cladosporium sphaerospermum</i> | 1 | 1 | ND | <1 | 1 | 1 |
| <i>Eurotium</i> (Asp.) <i>amstelodami</i> ^e | ND | <1 | ND | <1 | 10 | 5 |
| <i>Memnoniella echinata</i> | ND | <1 | ND | <1 | ND | <1 |
| <i>Paecilomyces variotii</i> | ND | <1 | ND | <1 | ND | <1 |
| <i>Penicillium aurantiogriseum</i> ^f | ND | <3 | ND | <2 | ND | <1 |
| <i>Penicillium brevicompactum</i> | ND | <3 | ND | <2 | ND | <1 |
| <i>Penicillium chrysogenum</i> (Type 2) ^g | ND | <1 | ND | <1 | ND | <1 |
| <i>Penicillium purpurogenum</i> | ND | <2 | ND | <1 | ND | <1 |
| <i>Penicillium variabile</i> | ND | <6 | ND | <4 | ND | <3 |
| <i>Scopulariopsis brevicaulis</i> ^h | ND | <1 | ND | <1 | ND | <1 |
| <i>Stachybotrys chartarum</i> | ND | <1 | ND | <1 | ND | <1 |
| <i>Trichoderma viride</i> ⁱ | ND | <1 | ND | <1 | ND | <1 |
| <i>Ulocladium botrytis</i> | ND | <1 | ND | <1 | ND | <1 |

* SE = Spore Equivalents, ND = Not Detected

^a Includes *A. flavus* and *A. oryzae*

^b Includes *A. fumigatus* and *Neosartorya fischeri*

^c Includes *A. niger*, *A. foetidus* and *A. phoenicis*

^d Includes *A. ochraceus* and *A. ostianus*

^e Includes *E. amstelodami*, *E. chevalieri*, *E. herbariorum*, *E. rubrum* and *E. repens*

^f Includes *Penicillium aurantiogriseum*, *P. freii*, *P. polonicum*, *P. tricolor*, *P. viridicatum*

^g Includes dominant subgroup of species

^h Includes *S. brevicaulis* and *S. fusca*

ⁱ Includes *T. viride*, *T. atroviride* and *T. koningii*

Results:

| Sample ID | 2372.022412.P20 | | 2372.022412.P23 | | 2372.022412.P27 | |
|--|-----------------|-------|-----------------|-------|-----------------|-------|
| Air Volume [m ³] | 1.305 | | 1.215 | | 1.305 | |
| Fungal ID | SE* | SE/m3 | SE* | SE/m3 | SE* | SE/m3 |
| <i>Acremonium strictum</i> | ND | <1 | ND | <1 | ND | <1 |
| <i>Alternaria alternata</i> | ND | <1 | ND | <1 | ND | <1 |
| <i>Aspergillus flavus</i> ^a | ND | <1 | ND | <1 | ND | <1 |
| <i>Aspergillus fumigatus</i> ^b | ND | <1 | ND | <1 | ND | <1 |
| <i>Aspergillus niger</i> ^c | ND | <1 | ND | <1 | ND | <1 |
| <i>Aspergillus ochraceus</i> ^d | ND | <1 | ND | <1 | ND | <1 |
| <i>Aspergillus sydowii</i> | ND | <8 | ND | <8 | ND | <8 |
| <i>Aspergillus ustus</i> | ND | <1 | ND | <1 | ND | <1 |
| <i>Aspergillus versicolor</i> | ND | <1 | ND | <1 | ND | <1 |
| <i>Chaetomium globosum</i> | ND | <1 | ND | <1 | ND | <1 |
| <i>Cladosporium cladosporioides</i> (Type 1) | 85 | 65 | 110 | 87 | 82 | 63 |
| <i>Cladosporium cladosporioides</i> (Type 2) | 1 | 1 | 1 | 1 | 2 | 2 |
| <i>Cladosporium herbarum</i> | 6 | 4 | 1 | 1 | 3 | 2 |
| <i>Cladosporium sphaerospermum</i> | ND | <1 | 1 | 1 | 1 | 1 |
| <i>Eurotium</i> (Asp.) <i>amstelodami</i> ^e | ND | <1 | ND | <1 | ND | <1 |
| <i>Memnoniella echinata</i> | ND | <1 | ND | <1 | ND | <1 |
| <i>Paecilomyces variotii</i> | ND | <1 | ND | <1 | ND | <1 |
| <i>Penicillium aurantiogriseum</i> ^f | ND | <2 | ND | <2 | ND | <2 |
| <i>Penicillium brevicompactum</i> | 5 | 4 | ND | <2 | 12 | 9 |
| <i>Penicillium chrysogenum</i> (Type 2) ^g | 3 | 2 | ND | <1 | ND | <1 |
| <i>Penicillium purpurogenum</i> | ND | <1 | 1 | 1 | ND | <1 |
| <i>Penicillium variabile</i> | ND | <5 | ND | <4 | ND | <4 |
| <i>Scopulariopsis brevicaulis</i> ^h | 4 | 3 | ND | <1 | ND | <1 |
| <i>Stachybotrys chartarum</i> | ND | <1 | ND | <1 | ND | <1 |
| <i>Trichoderma viride</i> ⁱ | ND | <1 | ND | <1 | ND | <1 |
| <i>Ulocladium botrytis</i> | ND | <1 | ND | <1 | ND | <1 |

* SE = Spore Equivalents, ND = Not Detected

^a Includes *A. flavus* and *A. oryzae*

^b Includes *A. fumigatus* and *Neosartorya fischeri*

^c Includes *A. niger*, *A. foetidus* and *A. phoenicis*

^d Includes *A. ochraceus* and *A. ostianus*

^e Includes *E. amstelodami*, *E. chevalieri*, *E. herbariorum*, *E. rubrum* and *E. repens*

^f Includes *Penicillium aurantiogriseum*, *P. freii*, *P. polonicum*, *P. tricolor*, *P. viridicatum*

^g Includes dominant subgroup of species

^h Includes *S. brevicaulis* and *S. fusca*

ⁱ Includes *T. viride*, *T. atroviride* and *T. koningii*

Results:

| Sample ID | 2372.022412.P30 | | 2372.022412.P33 | | 2372.022412.P36 | |
|--|-----------------|-------|-----------------|-------|-----------------|-------|
| Air Volume [m ³] | 1.260 | | 1.260 | | 1.260 | |
| Fungal ID | SE* | SE/m3 | SE* | SE/m3 | SE* | SE/m3 |
| <i>Acremonium strictum</i> | ND | <1 | ND | <1 | ND | <1 |
| <i>Alternaria alternata</i> | ND | <1 | ND | <1 | ND | <1 |
| <i>Aspergillus flavus</i> ^a | ND | <1 | ND | <1 | ND | <1 |
| <i>Aspergillus fumigatus</i> ^b | 3 | 2 | 1 | 1 | ND | <1 |
| <i>Aspergillus niger</i> ^c | ND | <1 | ND | <1 | ND | <1 |
| <i>Aspergillus ochraceus</i> ^d | ND | <1 | ND | <1 | ND | <1 |
| <i>Aspergillus sydowii</i> | ND | <8 | ND | <7 | ND | <7 |
| <i>Aspergillus ustus</i> | ND | <1 | ND | <1 | ND | <1 |
| <i>Aspergillus versicolor</i> | ND | <1 | ND | <1 | ND | <1 |
| <i>Chaetomium globosum</i> | ND | <1 | ND | <1 | ND | <1 |
| <i>Cladosporium cladosporioides</i> (Type 1) | 82 | 65 | 68 | 54 | 84 | 67 |
| <i>Cladosporium cladosporioides</i> (Type 2) | 1 | 1 | 1 | 1 | 1 | 1 |
| <i>Cladosporium herbarum</i> | 1 | 1 | 3 | 2 | 1 | 1 |
| <i>Cladosporium sphaerospermum</i> | ND | <1 | 1 | 1 | ND | <1 |
| <i>Eurotium</i> (Asp.) <i>amstelodami</i> ^e | ND | <1 | ND | <1 | 13 | 11 |
| <i>Memnoniella echinata</i> | ND | <1 | ND | <1 | ND | <1 |
| <i>Paecilomyces variotii</i> | ND | <1 | ND | <1 | ND | <1 |
| <i>Penicillium aurantiogriseum</i> ^f | ND | <2 | ND | <2 | ND | <2 |
| <i>Penicillium brevicompactum</i> | ND | <2 | ND | <2 | ND | <2 |
| <i>Penicillium chrysogenum</i> (Type 2) ^g | ND | <1 | ND | <1 | ND | <1 |
| <i>Penicillium purpurogenum</i> | ND | <1 | ND | <1 | ND | <1 |
| <i>Penicillium variabile</i> | ND | <4 | ND | <4 | ND | <4 |
| <i>Scopulariopsis brevicaulis</i> ^h | ND | <1 | ND | <1 | ND | <1 |
| <i>Stachybotrys chartarum</i> | ND | <1 | ND | <1 | ND | <1 |
| <i>Trichoderma viride</i> ⁱ | ND | <1 | ND | <1 | ND | <1 |
| <i>Ulocladium botrytis</i> | ND | <1 | ND | <1 | ND | <1 |

* SE = Spore Equivalents, ND = Not Detected

^a Includes *A. flavus* and *A. oryzae*

^b Includes *A. fumigatus* and *Neosartorya fischeri*

^c Includes *A. niger*, *A. foetidus* and *A. phoenicis*

^d Includes *A. ochraceus* and *A. ostianus*

^e Includes *E. amstelodami*, *E. chevalieri*, *E. herbariorum*, *E. rubrum* and *E. repens*

^f Includes *Penicillium aurantiogriseum*, *P. freii*, *P. polonicum*, *P. tricolor*, *P. viridicatum*

^g Includes dominant subgroup of species

^h Includes *S. brevicaulis* and *S. fusca*

ⁱ Includes *T. viride*, *T. atroviride* and *T. koningii*

Results:

| Sample ID | 2372.022412.P37 | |
|--|-----------------|-----------|
| Air Volume [m ³] | NA | |
| Fungal ID | SE* | SE/sample |
| <i>Acremonium strictum</i> | ND | <1 |
| <i>Alternaria alternata</i> | ND | <1 |
| <i>Aspergillus flavus</i> ^a | ND | <1 |
| <i>Aspergillus fumigatus</i> ^b | ND | <1 |
| <i>Aspergillus niger</i> ^c | ND | <1 |
| <i>Aspergillus ochraceus</i> ^d | ND | <1 |
| <i>Aspergillus sydowii</i> | ND | <10 |
| <i>Aspergillus ustus</i> | ND | <1 |
| <i>Aspergillus versicolor</i> | ND | <1 |
| <i>Chaetomium globosum</i> | ND | <1 |
| <i>Cladosporium cladosporioides</i> (Type 1) | ND | <1 |
| <i>Cladosporium cladosporioides</i> (Type 2) | ND | <1 |
| <i>Cladosporium herbarum</i> | ND | <1 |
| <i>Cladosporium sphaerospermum</i> | ND | <1 |
| <i>Eurotium</i> (Asp.) <i>amstelodami</i> ^e | ND | <1 |
| <i>Memnoniella echinata</i> | ND | <1 |
| <i>Paecilomyces variotii</i> | ND | <1 |
| <i>Penicillium aurantiogriseum</i> ^f | ND | <3 |
| <i>Penicillium brevicompactum</i> | ND | <3 |
| <i>Penicillium chrysogenum</i> (Type 2) ^g | ND | <1 |
| <i>Penicillium purpurogenum</i> | ND | <2 |
| <i>Penicillium variabile</i> | ND | <6 |
| <i>Scopulariopsis brevicaulis</i> ^h | ND | <1 |
| <i>Stachybotrys chartarum</i> | ND | <1 |
| <i>Trichoderma viride</i> ⁱ | ND | <1 |
| <i>Ulocladium botrytis</i> | ND | <1 |

* SE = Spore Equivalents, ND = Not Detected

^a Includes *A. flavus* and *A. oryzae*

^b Includes *A. fumigatus* and *Neosartorya fischeri*

^c Includes *A. niger*, *A. foetidus* and *A. phoenicis*

^d Includes *A. ochraceus* and *A. ostianus*

^e Includes *E. amstelodami*, *E. chevalieri*, *E. herbariorum*, *E. rubrum* and *E. repens*

^f Includes *Penicillium aurantiogriseum*, *P. freii*, *P. polonicum*, *P. tricolor*, *P. viridicatum*

^g Includes dominant subgroup of species

^h Includes *S. brevicaulis* and *S. fusca*

ⁱ Includes *T. viride*, *T. atroviride* and *T. koningii*

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PCR - Custom Panel

Prepared Exclusively For:

LaCroix Davis, LLC.
3685 Mt Diablo Blvd, Suite 210,
Lafayette, CA.

Project Name: DGS-BOE

Project ID Number: 893060

March 6, 2012

This report has been prepared at the request of and for the exclusive use of the client named in this report. EMLabP&K will not release results or report to a third party without prior written consent.

Results:

| Sample ID | 2372.022412.P02 | | 2372.022412.P03 | | 2372.022412.P05 | |
|--|-----------------|-------|-----------------|-------|-----------------|-------|
| Air Volume [m ³] | 1.260 | | 1.260 | | 1.389 | |
| Fungal ID | SE* | SE/m3 | SE* | SE/m3 | SE* | SE/m3 |
| <i>Cladosporium cladosporioides</i> (Type 1) | 950 | 750 | 10 | 8 | 7 | 5 |
| <i>Cladosporium cladosporioides</i> (Type 2) | 4 | 3 | ND | <1 | ND | <1 |
| <i>Cladosporium herbarum</i> | 31 | 25 | 1 | 1 | 1 | 1 |
| <i>Cladosporium sphaerospermum</i> | ND | <1 | ND | <1 | ND | <1 |

| Sample ID | 2372.022412.P06 | | 2372.022412.P08 | | 2372.022412.P09 | |
|--|-----------------|-------|-----------------|-------|-----------------|-------|
| Air Volume [m ³] | 1.080 | | 1.260 | | 1.170 | |
| Fungal ID | SE* | SE/m3 | SE* | SE/m3 | SE* | SE/m3 |
| <i>Cladosporium cladosporioides</i> (Type 1) | 34 | 31 | 36 | 28 | 43 | 37 |
| <i>Cladosporium cladosporioides</i> (Type 2) | ND | <1 | ND | <1 | 1 | 1 |
| <i>Cladosporium herbarum</i> | 1 | 1 | 2 | 2 | 4 | 3 |
| <i>Cladosporium sphaerospermum</i> | ND | <1 | 1 | 1 | ND | <1 |

| Sample ID | 2372.022412.P11 | | 2372.022412.P12 | | 2372.022412.P13 | |
|--|-----------------|-------|-----------------|-------|-----------------|-------|
| Air Volume [m ³] | 1.215 | | 1.440 | | 1.260 | |
| Fungal ID | SE* | SE/m3 | SE* | SE/m3 | SE* | SE/m3 |
| <i>Cladosporium cladosporioides</i> (Type 1) | 80 | 66 | 24 | 17 | 3200 | 2500 |
| <i>Cladosporium cladosporioides</i> (Type 2) | ND | <1 | 1 | 1 | 14 | 11 |
| <i>Cladosporium herbarum</i> | 1 | 1 | 1 | 1 | 190 | 150 |
| <i>Cladosporium sphaerospermum</i> | ND | <1 | ND | <1 | ND | <1 |

| Sample ID | 2372.022412.P15 | | 2372.022412.P16 | | 2372.022412.P18 | |
|--|-----------------|-------|-----------------|-------|-----------------|-------|
| Air Volume [m ³] | 1.890 | | 1.305 | | 1.215 | |
| Fungal ID | SE* | SE/m3 | SE* | SE/m3 | SE* | SE/m3 |
| <i>Cladosporium cladosporioides</i> (Type 1) | 58 | 31 | 61 | 47 | 43 | 35 |
| <i>Cladosporium cladosporioides</i> (Type 2) | 1 | 1 | 1 | 1 | 1 | 1 |
| <i>Cladosporium herbarum</i> | 2 | 1 | 11 | 8 | 1 | 1 |
| <i>Cladosporium sphaerospermum</i> | ND | <1 | 340 | 260 | ND | <1 |

| Sample ID | 2372.022412.P19 | | 2372.022412.P21 | | 2372.022412.P22 | |
|--|-----------------|-------|-----------------|-------|-----------------|-------|
| Air Volume [m ³] | 1.389 | | 1.215 | | 1.170 | |
| Fungal ID | SE* | SE/m3 | SE* | SE/m3 | SE* | SE/m3 |
| <i>Cladosporium cladosporioides</i> (Type 1) | 160 | 120 | 200 | 160 | 98 | 84 |
| <i>Cladosporium cladosporioides</i> (Type 2) | 1 | 1 | 1 | 1 | 1 | 1 |
| <i>Cladosporium herbarum</i> | 3 | 2 | 4 | 3 | 1 | 1 |
| <i>Cladosporium sphaerospermum</i> | 1 | 1 | ND | <1 | ND | <1 |

| Sample ID | 2372.022412.P24 | | 2372.022412.P25 | | 2372.022412.P26 | |
|--|-----------------|-------|-----------------|-------|-----------------|-------|
| Air Volume [m ³] | 1.260 | | 1.260 | | 1.260 | |
| Fungal ID | SE* | SE/m3 | SE* | SE/m3 | SE* | SE/m3 |
| <i>Cladosporium cladosporioides</i> (Type 1) | 48 | 38 | 6100 | 4900 | 25 | 20 |
| <i>Cladosporium cladosporioides</i> (Type 2) | 1 | 1 | 14 | 11 | 1 | 1 |
| <i>Cladosporium herbarum</i> | 1 | 1 | 140 | 110 | 1 | 1 |
| <i>Cladosporium sphaerospermum</i> | ND | <1 | ND | <1 | 1 | 1 |

| Sample ID | 2372.022412.P28 | | 2372.022412.P29 | | 2372.022412.P31 | |
|--|-----------------|-------|-----------------|-------|-----------------|-------|
| Air Volume [m ³] | 1.215 | | 1.350 | | 1.125 | |
| Fungal ID | SE* | SE/m3 | SE* | SE/m3 | SE* | SE/m3 |
| <i>Cladosporium cladosporioides</i> (Type 1) | 78 | 64 | 63 | 46 | 30 | 27 |
| <i>Cladosporium cladosporioides</i> (Type 2) | 1 | 1 | 1 | 1 | ND | <1 |
| <i>Cladosporium herbarum</i> | 3 | 2 | 1 | 1 | 1 | 1 |
| <i>Cladosporium sphaerospermum</i> | ND | <1 | 1 | 1 | ND | <1 |

| Sample ID | 2372.022412.P32 | | 2372.022412.P34 | | 2372.022412.P35 | |
|--|-----------------|-------|-----------------|-------|-----------------|-------|
| Air Volume [m ³] | 1.215 | | 1.260 | | 1.260 | |
| Fungal ID | SE* | SE/m3 | SE* | SE/m3 | SE* | SE/m3 |
| <i>Cladosporium cladosporioides</i> (Type 1) | 14 | 12 | 32 | 25 | 52 | 41 |
| <i>Cladosporium cladosporioides</i> (Type 2) | 1 | 1 | 1 | 1 | 1 | 1 |
| <i>Cladosporium herbarum</i> | 1 | 1 | 2 | 2 | 3 | 2 |
| <i>Cladosporium sphaerospermum</i> | ND | <1 | ND | <1 | ND | <1 |

* SE = Spore Equivalents, ND = Not Detected

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PCR - Custom Panel

Prepared Exclusively For:

LaCroix Davis, LLC.
3685 Mt Diablo Blvd, Suite 210,
Lafayette, CA.

Project Name: DGS-BOE - Rerun sample P16

Project ID Number: 893060

March 29, 2012

This report has been prepared at the request of and for the exclusive use of the client named in this report. EMLabP&K will not release results or report to a third party without prior written consent.

Results:

| Sample ID | 2372.022412.P16 - original | | 2372.022412-P16-Rerun | | 2372.022412-P16-Rerun | |
|--|----------------------------|-------|-----------------------|-------|-----------------------|-------|
| Air Volume [m ³] | 1.305 | | 1.305 | | 1.305 | |
| Fungal ID | SE* | SE/m3 | SE* | SE/m3 | SE* | SE/m3 |
| <i>Cladosporium cladosporioides</i> (Type 1) | 61 | 47 | 51 | 39 | 68 | 52 |
| <i>Cladosporium cladosporioides</i> (Type 2) | 1 | 1 | 2 | 2 | 1 | 1 |
| <i>Cladosporium herbarum</i> | 11 | 8 | 5 | 4 | 20 | 15 |
| <i>Cladosporium sphaerospermum</i> | 340 | 260 | 1 | 1 | 1 | 1 |

* SE = Spore Equivalents, ND = Not Detected

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CHAIN OF CUSTODY



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 San Bruno, CA: 1150 Bayhill Drive, #100, San Bruno, CA 94066 * (866) 888-6653

| PROJECT INFORMATION | | CONTACT INFORMATION | |
|--|--|---|-----------------------|
| Project ID: DGS-BOE | Company: LaCroix Davis, LLC | Address: 3085 Mt. Diablo Blvd. Ste 210 Lafayette, CA 94549 | Special Instructions: |
| Project: Feb-Mar Monthly Air Monitoring | Contact: Corpus; Tice; A. Steinbach | Phone: 925-299-1140 | |
| Zip Code: 94022 | Date & Time: 2/24/12 5:00 PM | WH: Weekend/Holiday | |
| PO Number: 2372.02-572 | | | |

| Sample ID | Description | Sample Type (Below) | Volume/Area (Above) | Notes |
|-----------------|---------------------|---------------------|---------------------|-----------|
| 2372.022412-P01 | Exterior NE | 0 | 1200 Lts | 4:59-7:59 |
| 2372.022412-P02 | Floor 1 Rm 109 NW | 0 | 1200 | 5:02-8:02 |
| 2372.022412-P03 | Floor 3 Rm 327 S | 0 | 1200 | 5:08-8:08 |
| 2372.022412-P04 | Floor 5 Rm 504 NE | 0 | 1170 | 5:15-8:15 |
| 2372.022412-P05 | Exterior 7 Rm 513 S | 0 | 1389 | 5:29-8:29 |
| 2372.022412-P06 | Floor 9 Rm 905 NE | 0 | 1080 | 5:29-8:29 |
| 2372.022412-P07 | Floor 11 Rm 1108 SE | 0 | 1200 | 5:40-8:40 |
| 2372.022412-P08 | Floor 15 Rm 1513 SE | 0 | 1200 | 5:46-8:46 |
| 2372.022412-P09 | Floor 17 Rm 1713 SE | 0 | 1170 | 5:53-8:53 |
| 2372.022412-P10 | Floor 19 Rm 1908 S | 0 | 1170 | 5:56-8:56 |
| 2372.022412-P11 | Floor 21 Rm 2117 E | 0 | 1215 | 6:05-9:05 |
| 2372.022412-P12 | Floor 23 Rm 2303 SE | 0 | 1440 | 6:12-9:12 |

| SAMPLE TYPE CODES | | RELINQUISHED BY | | DATE & TIME | |
|---------------------------|--|-----------------------|-----------------------|-------------|---------|
| BC - BioCassette™ | ST - Spore Trap; Zefon, Allergenco, Burkard... | <i>Theo M. J. Jr.</i> | <i>Theo M. J. Jr.</i> | 2/24/12 | 5:00 PM |
| A1S - Andersen | SW - Swab | | | | |
| SAS - Surface Air Sampler | B - Bulk | | | | |
| CP - Contact Plate | NP - Non-Potable Water | | | | |

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| WEATHER | | Fog | | Rain | | Snow | | Wind | | Clear | |
|----------|--|------|--|------|--|------|--|------|--|-------|--|
| Level | | None | | X | | X | | X | | X | |
| Light | | | | | | | | | | | |
| Moderate | | | | | | | | | | | |
| Heavy | | | | | | | | | | | |

| RECEIVED BY | | DATE & TIME | |
|-----------------------|-----------------------|-------------|---------|
| <i>Theo M. J. Jr.</i> | <i>Theo M. J. Jr.</i> | 2/24/12 | 5:00 PM |

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San Bruno, CA: 1150 Bayhill Drive, #100, San Bruno, CA 94066 * (866) 888-6653

| WEATHER | | | |
|----------|---|---|---|
| None | X | X | X |
| Light | | | |
| Moderate | | | |
| Heavy | | | |

| | | | |
|---|--|--|--|
| PROJECT INFORMATION | | CONTACT INFORMATION | |
| Project ID: DG5-BOE | Company: LACROIX DAVIS, LLC | Address: 3685 Mt. Diablo Blvd Ste 210 | |
| Project Desc: Feb 2012 Monthly Air Monitoring | Contact: C. Corpuz, T. Ice; A. Steinbach | Special Instructions: Lafayette CA 94549 | |
| Zip Code: 94549 | Phone: 925-299-1140 | | |

| | |
|------------------------------|--|
| TURN AROUND TIME CODES (TAT) | |
| STD - Standard (DEFAULT) | |
| ND - Next Business Day | |
| SD - Same Business Day Rush | |
| WH - Weekend/Holiday | |

| Sample ID | Description | Sample Type (Below) | TAT (Above) | Total Volume/Area (as applicable) | NOTES |
|-----------------|--------------------------|---------------------|-------------|-----------------------------------|------------|
| 2372-022412-P13 | Exterior Floor 23 Deck W | 0 STD | 0 STD | 1260 | 8:09-11:09 |
| 2372-022412-P14 | Floor 1 Room 12B SE | 0 STD | 0 STD | 1260 | 8:26-11:26 |
| 2372-022412-P15 | Floor 3 Room 317 N | 0 STD | 0 STD | 1010 | 8:34-11:09 |
| 2372-022412-P16 | Floor 5 SE | 0 STD | 0 STD | 1305 | 8:38-11:09 |
| 2372-022412-P17 | Floor 7 Room 708 | 0 STD | 0 STD | 1972 | 8:43-11:43 |
| 2372-022412-P18 | Floor 9 Room 907 SW | 0 STD | 0 STD | 1215 | 8:54-11:54 |
| 2372-022412-P19 | Floor 11 East Hall | 0 STD | 0 STD | 1389 | 8:59-11:59 |
| 2372-022412-P20 | Floor 15 Copy | 0 STD | 0 STD | 1305 | 9:04-12:04 |
| 2372-022412-P21 | Floor 17 at Column M17-E | 0 STD | 0 STD | 1215 | 9:13-12:13 |
| 2372-022412-P22 | Floor 19 Room 1918 N | 0 STD | 0 STD | 1170 | 9:21-12:21 |
| 2372-022412-P23 | Floor 21 Room 2107 N | 0 STD | 0 STD | 1215 | 9:30-12:30 |
| 2372-022412-P24 | Floor 23 Room 2317 NW | 0 STD | 0 STD | 1260 | 9:39-12:39 |

| SAMPLE TYPE CODES | | DATE & TIME | |
|---------------------------|--|-------------|----------|
| BC - BioCassette | ST - Spore Trap: Zefon, Allergenco, Burkard... | 2/27/12 | 12:00:00 |
| A15 - Andersen | P - Potable Water | | |
| SAS - Surface Air Sampler | NP - Non-Potable Water | | |
| CP - Contact Plate | | | |

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000893060

000893060

Other Requests: n, SAS, Swab, Contact Plate

| Trap | Non-C | Spore | Fungi - Spore Trap Analysis | Spore Trap Analysis - Other particles | Direct Microscopic Exam (Qualitative) | Quantitative Spore Count Direct Exam | 1-Media Surface Fungi (Genus ID + Asp. spp.) | 2-Media Surface Fungi (Genus ID + Asp. spp.) | 3-Media Surface Fungi (Genus ID + Asp. spp.) | Culturable Air Fungi (Genus ID + Asp. spp.) | Gram Stain and Counts (Culturable Air and Surface Bacteria) | Legionella culture | Total Coliform, E.coli (Presence/Absence) | Membrane Filtration (Please specify organism) | MPN Bacteria (Please specify organism) | Quantitray - Sewage Screen | Asbestos Analysis - PCM Airborne Fiber Count (NIOSH 7400) | Asbestos Analysis - PLM (EPA method 600/R-93-116) | PCR (please specify test) | Monthly Air Monitoring |
|------|-------|-------|-----------------------------|---------------------------------------|---------------------------------------|--------------------------------------|--|--|--|---|---|--------------------|---|---|--|----------------------------|---|---|---------------------------|------------------------|
| | | | | | | | | | | | | | | | | | | | | |

| RECEIVED BY | DATE & TIME |
|----------------|-------------|
| 2/27/12 8:00am | |

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San Bruno, CA: 1150 Bayhill Drive, #100, San Bruno, CA 94066 * (866) 888-6653

CONTACT INFORMATION

Company: La Croix Davis, LLC
Address: 9685 Mt. Diablo Blvd Ste 210
City/State: La Jolla, CA 92037
Phone: 925.299.1140
Special Instructions: Field Blank - P37

PROJECT INFORMATION

Project ID: DGS-BOE
Project Desc: Monthly Air Monitoring
Sampling Date & Time: 2/24/12
Zip Code: 92037
PO Number: 2/24/12

| Sample ID | Description | Sample Type (Below) | Volume/Area (as applicable) | Notes |
|-----------------|---------------------------|---------------------|-----------------------------|---------------|
| 2372-022412-P25 | Exterior 0A Floor M North | 0 STD | 1260 | 11:39 - 14:39 |
| 2372-022412-P26 | Floor 1 Room 117 NE | 0 STD | 1260 | 13:06 - 16:06 |
| 2372-022412-P27 | Floor 3 East Hall | 0 STD | 1305 | 13:08 - 16:08 |
| 2372-022412-P28 | Floor 5 NW Hall | 0 STD | 1415 | 13:15 - 16:15 |
| 2372-022412-P29 | Floor 7 Room 103 SW | 0 STD | 1350 | 13:21 - 16:21 |
| 2372-022412-P30 | Floor 9 Room 911 SW | 0 STD | 1260 | 13:28 - 16:28 |
| 2372-022412-P31 | Floor 11 SE Room 1103 | 0 STD | 1125 | 13:39 - 16:39 |
| 2372-022412-P32 | Floor 15 Room 1509 SE | 0 STD | 1215 | 13:47 - 16:47 |
| 2372-022412-P33 | Floor 17 N Hall | 0 STD | 1260 | 13:51 - 16:51 |
| 2372-022412-P34 | Floor 19 West Balcony M23 | 0 STD | 1260 | 14:04 - 17:04 |
| 2372-022412-P35 | Floor 21 Room 2111 SW | 0 STD | 1260 | 14:12 - 17:12 |
| 2372-022412-P36 | Floor 23 Elev. Lobby | 0 STD | 1260 | 14:17 - 17:17 |

TESTING INFORMATION

BC - BioCassette
A1S - Andersen
SAS - Surface Air Sampler
CP - Contact Plate

T - Tape
SW - Swab
B - Bulk
NP - Non-Portable Water
O - Other: PCR

D - Dust
SO - Soil

RELINQUISHED BY Theodore **DATE & TIME** 2/24/12 18:00

RECEIVED BY Drop Box **DATE & TIME** 2/24/12 8:00am

WEATHER

None ☒ Fog ☐ Rain ☐ Snow ☐ Clear ☐

Light ☐ Moderate ☐ Heavy ☐

Non-Culturable

Spore Trap ☐ Tape Swab ☐ Bulk ☐

Other Requests

Water, Bulk, Dust, Soil, Contact Plate

000893060

| Fungi - Spore Trap Analysis | Spore Trap Analysis - Other particles | Direct Microscopic Exam (Qualitative) | Quantitative Spore Count Direct Exam | 1-Media Surface Fungi (Genus ID + Asp. spp.) | 2-Media Surface Fungi (Genus ID + Asp. spp.) | 3-Media Surface Fungi (Genus ID + Asp. spp.) | Culturable Air Fungi (Genus ID + Asp. spp.) | Cream Stain and Counts (Culturable Air and Surface Bacteria) | Legionella culture | Total Coliform, E.coli (Presence/Absence) | Membrane Filtration (Please specify organism) | MPN Bacteria (Please specify organism) | Quantitray - Sewage Screen | Asbestos Analysis - PCM Airborne Fiber Count (NIOSH 7400) | Asbestos Analysis - PLM (EPA method 600/R-93-116) | PCR (please specify test) |
|-----------------------------|---------------------------------------|---------------------------------------|--------------------------------------|--|--|--|---|--|--------------------|---|---|--|----------------------------|---|---|---------------------------|
| | | | | | | | | | | | | | | | | |